

perma LOAD PU SYN 500-1 (SF04)

Previous name: perma High performance grease SF04

ROLLER AND PLAIN BEARINGS UP TO 160 °C

perma LOAD PU SYN 500-1 (SF04) is a special lubricating grease based on mineral oil + PAO / polyurea. It has a wide service temperature range and is suitable for plain and rolling bearings up to a service temperature of 160 °C.

perma LOAD PU SYN 500-1 (SF04) ensures excellent wear protection, and its EP additives provide a high pressure absorption capacity. It is very adhesive and resistant to water under static and dynamic loads. It is particularly resistant to oxidation and ageing, and reliably protects against corrosion.

Advantages



MULTI-PURPOSE GREASE FOR EXTREME REQUIREMENTS



EFFICIENT AT HIGH TEMPERATURES, VIBRATIONS, SHOCKS



RESISTANT TO OXIDATION AND AGEING



GOOD WEAR PROTECTION



GOOD ANTICORROSION PROPERTIES



HIGH PRESSURE ABSORPTION CAPACITY



RESISTANT TO AGGRESSIVE MEDIA



GOOD SEALING EFFECT

Application

perma LOAD PU SYN 500-1 (SF04) is suitable for rolling bearings subject to high temperatures, vibrations, shock loads and/or aggressive liquids or active detergents. It has proven effective in electric motors, pumps and fans. This grease is also suitable for plain bearings operating under mixed friction conditions. Its high efficiency under extreme conditions makes it a multipurpose grease for the iron and steel industry, base materials and construction industries (cement, lime, gypsum).

APPLICATION INFORMATION

perma LOAD PU SYN 500-1 (SF04) is a lubricant especially developed for perma lubrication systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in perma lubrication system.

SHELF LIFE

Shelf life is approx. 12 months if the product is stored in its unopened original container in a dry and frost-protected place.

PACKAGING

- perma lubrication systems
- Cartridge 400 g
- Pail 1 kg
- Pail 5 kg

Product data

Base oil	Mineral oil + PAO
Thickener	Polyurea
Base oil viscosity, DIN 51562, at 40 °C, mm ² /s	500
Color	Light brown
Density, DIN 51757, at 20 °C, g/cm ³ , approx.	0.9
Drop point, DIN ISO 2176, °C	> 240
Penetration at 25 °C, DIN ISO 2137; 0,1mm approx.	340 - 370
Speed factor, (n x dm), approx.	200,000 mm/min
Consistency, NLGI grade, DIN 51818	0/1
Service temperature range, °C	- 20 to 160
Water resistance, DIN 51807, 3 h / 90 °C, ratin	1 - 90
Corrosion protection, DIN 51802, Emcor test (1 week, dist. water), corrosion rating	1



Roller bearings



Sliding bearings



Linear guides



Gears



Spindles